



RECEIVED

MAR 27 2003

TECHNOLOGY CENTER R3700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY'S MATTER No. RJI/PO7214US00  
ATTY'S DKT. No. 30183

PATENTS

IN RE APPLICATION OF:  
FRANK W. KOTZUR ET AL.  
SERIAL No. 09/853862

EXAMINER: CHRISTOPHER R. HARMON  
ART UNIT: 3721  
FILED: 5/14/2001

AUTOMATIC COIL WINDING AND BOXING APPARATUS

\* \* \* \* \*

HON. COMMISSIONER OF PATENTS  
AND TRADEMARKS  
WASHINGTON, D.C. 20231

ALEXANDRIA, VA  
26 MARCH 2003

DEAR S I R:

SUBMISSION OF OFFICIAL EPO SEARCH REPORT

Attached is a copy of the subject report issued in the counterpart EP0 patent application Nr. 02253350.9-2308 and dated 26 February 03.

It is requested that this report be made of record in the file of the subject application.

Respectfully submitted,  
Frank W. Kotzur et al.  
By *A. J. Lasker*  
R. J. Lasker, Esq. 22785  
Attorney for Applicants  
Suite 900  
1199 N. Fairfax Street  
Alexandria, Va, 22314  
(703) 739-4900

30183AMD

SUBMISSION OF OFFICAL EPO SEARCH REPORT  
SERIAL NUMBER 09/853862



P.B.5818 - Patentlaan 2  
2280 HV Rijswijk (ZH)  
☎ +31 70 340 2040  
TX 31651 epo nl  
FAX +31 70 340 3016

Europäisches  
Patentamt

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

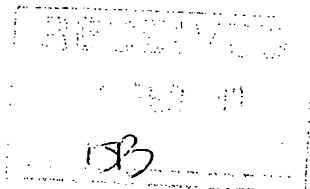
European  
Patent Office

Branch at  
The Hague  
Search  
division

Office européen  
des brevets

Département à  
La Haye  
Division de la  
recherche

Butcher, Ian James  
A.A. Thornton & Co.  
235 High Holborn  
London WC1V 7LE  
GRANDE BRETAGNE



Datum/Date

26.02.03

Zeichen/Ref./Réf.

IJB/20721

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°

02253350.9-2308-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Windings, Inc.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1, 17

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 6 109 554 A (F.W. KOTZUR ET AL.) 29 August 2000 (2000-08-29) * claims; figures *	1	B65B5/02 B65H55/04 B65H49/08 B65D85/04
D,A	US 4 741 495 A (F.W. KOTZUR) 3 May 1988 (1988-05-03) * claim 1; figures *	1	
A	US 5 979 812 A (F.W. KOTZUR ET AL.) 9 November 1999 (1999-11-09)		
A	US 4 477 033 A (F.W. KOTZUR) 16 October 1984 (1984-10-16)		
A	US 2 888 214 A (W.J. WILKE) 26 May 1959 (1959-05-26)		
A	US 4 026 483 A (O.G. SKALLEBERG) 31 May 1977 (1977-05-31)		
A	CH 482 537 A (POLYPLASTE H. ROLF SPRANGER KG) 15 December 1969 (1969-12-15)		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B65B B65H B65D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 February 2003	Examiner D'Hulster, E
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 3350

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-02-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6109554	A	29-08-2000	AU 4881399 A	23-03-2000
			BR 9904282 A	20-03-2001
			EP 0992446 A2	12-04-2000
			JP 3356730 B2	16-12-2002
			JP 2000095436 A	04-04-2000
			TW 474890 B	01-02-2002
			US 6086012 A	11-07-2000
			US 6341741 B1	29-01-2002
US 4741495	A	03-05-1988	US 4406419 A	27-09-1983
			BE 895000 A1	01-03-1983
			CA 1168205 A1	29-05-1984
			CA 1171833 A2	31-07-1984
			CH 662549 A5	15-10-1987
			DE 3242092 A1	17-05-1984
			FR 2536052 A1	18-05-1984
			GB 2098246 A , B	17-11-1982
US 5979812	A	09-11-1999	NONE	
US 4477033	A	16-10-1984	NONE	
US 2888214	A	26-05-1959	NONE	
US 4026483	A	31-05-1977	SE 371630 B	25-11-1974
			CH 595276 A5	15-02-1978
			DE 2502287 A1	31-07-1975
			DE 2603861 A1	11-08-1977
			FR 2259043 A1	22-08-1975
			GB 1498293 A	18-01-1978
			IT 1031140 B	30-04-1979
			JP 1068897 C	23-10-1981
			JP 50112663 A	04-09-1975
			JP 55051825 B	26-12-1980
CH 482537	A	15-12-1969	NONE	



## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

02253350.9

A machine for winding and boxing wound coils of filamentary material having a payout hole extending from the outer to the inner coil winding, a turret mechanism (36) mounting two oppositely disposed end forms (32,34,38) and corresponding collapsible mandrels (33,39) and operative between first and second stations, wherein the first station (30) enables filamentary material to be wound on one of the mandrels (33,35) and associated end form (32,34) and a second station wherein the mandrel (39) and end form (38) containing the wound coil is rotated to confront a boxing station; a boxing station including a platform having a movable back panel, a base panel and an inclined ramp facing the second station and being movable towards and away from second station for receiving the wound coil (40) from the collapsible mandrel; the boxing station receiving an unfolded box deposited on the base panel with a box back panel folded against the back panel and including means for folding two opposite side panels of the box to enable reception of the wound coil in the partially assembled box; payout tube (92) inserting means for inserting a payout tube (92) in the payout hole of the wound coil through a payout hole in the top panel (83) of the box and including means (102) for grasping the free end of the wound coil and withdrawing it through the payout tube (92); and the boxing station including means for folding, gluing and sealing the flaps of the box.